OM nucleic - nucleic search, using sw model

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GenCore version 5.1.6

Run on: July 8, 2004, 04:25:15 ; Search time 126 seconds
(without alignments)
7077.826 Million cell updates/sec

Title: US-10-089-862-1
Perfect score: 1607
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1387.6	86.3	1430	4	US-09-157-864-3	Sequence 3, Appli
2	1072.4	66.7	1550	4	US-09-157-864-1	Sequence 1, Appli
3	962	59.9	1260	3	US-09-286-529-10	Sequence 10, Appl
4	957.6	59.6	1717	4	US-09-153-927-11	Sequence 11, Appl
5	957.6	59.6	1717	4	US-10-082-260-1	Sequence 1, Appl
6	957.6	59.6	1717	4	US-08-815-783-1	Sequence 1, Appli
7	957.6	59.6	1717	4	US-09-879-919-1	Sequence 1, Appli
8	856.8	53.3	1187	3	US-08-883-086-1	Sequence 1, Appli
9	841.8	52.4	1077	4	US-09-866-028-75	Sequence 75, Appl
10	765.6	47.6	1305	4	US-08-815-783-3	Sequence 3, Appli
11	756.6	47.1	1281	4	US-10-082-260-3	Sequence 3, Appli
12	756.6	47.1	1281	4	US-09-879-919-3	Sequence 3, Appli
13	710.8	44.2	1126	4	US-09-879-919-12	Sequence 12, Appl
14	67.8	4.2	7218	1	US-08-232-463-14	Sequence 14, Appl
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c 16	41.2	2.6	53526	3	US-08-658-136-2	Sequence 2, Appli
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ALIGNMENTS

RESULT 1
US-09-157-864-3
; Sequence 3, Application US/09157864
; Patent No. 6440694
; GENERAL INFORMATION:
; APPLICANT: Bienkowski, Michael J
; APPLICANT: Mills, Cynthia J
; APPLICANT: Jones, David A
; TITLE OF INVENTION: TNF-Related Death Ligand
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacia & Upjohn, Intellectual Property
; ADDRESSEE: Legal Services
; STREET: 301 Henrietta Street
; CITY: Kalamazoo
; STATE: MI
; COUNTRY: USA
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 Diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/157,864
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerber, Lori L.
; REGISTRATION NUMBER: 41,113
; REFERENCE/DOCKET NUMBER: 6111.N CN1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 616/833-0974
; TELEFAX: 616/833-8897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1430 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-157-864-3

Query Match 86.3%; Score 1387.6; DB 4; Length 1430;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1390; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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RESULT 2
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; Sequence 1, Application US/09157864
; Patent No. 6440694
GENERAL INFORMATION:
  APPLICANT: Bienkowski, Michael J
  APPLICANT: Mills, Cynthia J
  APPLICANT: Jones, David A
  TITLE OF INVENTION: TNF-Related Death Ligand
  NUMBER OF SEQUENCES: 18
  CORRESPONDENCE ADDRESS:
    ADDRESSEE: Pharmacia & Upjohn, Intellectual Property
    STREET: Legal Services
       301 Henrietta Street
    CITY: Kalamazoo
    STATE: MI
    COUNTRY: USA
    ZIP: 49001
  COMPUTER READABLE FORM:
    MEDIUM TYPE: 3.5 Diskette
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/157,864
    FILING DATE:
    CLASSIFICATION:
  ATTORNEY/AGENT INFORMATION:
    NAME: Kerber, Lori L.
    REGISTRATION NUMBER: 41,113
    REFERENCE/DOCKET NUMBER: 6111.N CN1
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: 616/833-0974
    TELEFAX: 616/833-8897
    TELEX: 224401
INFORMATION FOR SEQ ID NO: 1:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 1550 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
  MOLECULE TYPE: cDNA
US-09-157-864-1

Query Match   66.7%;   Score 1072.4; DB 4; Length 1550;
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Copyright   GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 8, 2004, 07:06:40 ; Search time 1094 Seconds
(without alignments)
7159.351 Million cell updates/sec

Title: US-10-089-862-1
Perfect score: 1607
Sequence: 1 cctaattcctgaggctga.........atgataaaaaaaaaaaaa 1607

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3183909 seqs, 243691669 residues

Total number of hits satisfying chosen parameters: 6367818

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1387.6	86.3	1430	15	US-10-174-654-3	Sequence 3, Appli
2	1072.4	61.7	1550	15	US-10-174-654-1	Sequence 1, Appli
3	990.8	61.7	1344	9	US-09-014-348-1	Sequence 1, Appli
4	990.8	61.7	1344	9	US-09-782-980-31	Sequence 31, Appl
5	990.8	61.7	1348	13	US-10-272-062-25	Sequence 25, Appl
6	990.8	61.7	1348	15	US-10-272-411-17	Sequence 17, Appl
7	990.8	61.7	1348	15	US-10-218-547-25	Sequence 25, Appl
8	990.8	61.7	1348	15	US-10-272-328A-17	Sequence 17, Appl
9	990.8	61.7	1348	15	US-10-310-793-31	Sequence 31, Appl
10	990.4	61.6	2266	9	US-09-925-297-335	Sequence 335, App
11	989.2	61.6	1097	13	US-10-116-802-271	Sequence 271, App
12	989.2	61.6	1465	9	US-09-854-864-1	Sequence 1, Appli
13	989.2	61.6	1465	13	US-09-855-158-1	Sequence 1, Appli
14	966.8	60.2	1346	15	US-10-214-065-1	Sequence 1, Appli
15	966.8	60.2	1346	15	US-10-138-073-1	Sequence 1, Appli
16	962	59.9	1260	9	US-09-877-156-10	Sequence 10, Appl
17	957.6	59.6	1717	14	US-09-879-919-1	Sequence 1, Appli
18	957.6	59.6	1717	15	US-10-082-260-1	Sequence 1, Appli
19	957.6	59.6	1717	15	US-10-151-882-35	Sequence 35, Appl
20	957.6	59.6	1717	15	US-10-268-951-1	Sequence 1, Appli
21	841.8	52.4	1077	9	US-09-866-028-75	Sequence 75, Appl
22	841.8	52.4	1077	9	US-09-944-449-75	Sequence 75, Appl
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

ALIGNMENTS

RESULT 1
US-10-174-654-3
; Sequence 3, Application US/10174654
; Publication No. US2003004937A1
GENERAL INFORMATION:
APPLICANT: Bienkowski, Michael J
Mills, Cynthia J
Jones, David A
TITLE OF INVENTION: TNF-Related Death Ligand
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pharmacia & Upjohn, Intellectual Property
Legal Services
STREET: 301 Henrietta Street
CITY: Kalamazoo
STATE: MI
COUNTRY: USA
ZIP: 49001
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/174,654
FILING DATE: 19-Jun-2002
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Kerber, Lori L.
REGISTRATION NUMBER: 41,113
REFERENCE/DOCKET NUMBER: 6111.N CN1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 616/833-0974
TELEFAX: 616/833-8897
TELEX: 224401
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:

```
                  LENGTH: 1430 base pairs
                  TYPE: nucleic acid
                  STRANDEDNESS: single
                  TOPOLOGY: linear
         MOLECULE TYPE: cDNA
         SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-174-654-3

Query Match      86.3%;   Score 1387.6;   DB 15;   Length 1430;
Best Local Similarity  99.7%;   Pred. No. 0;
Matches 1390;   Conservative  0;  Mismatches  4;  Indels  0;  Gaps  0;

Qy   214  CCACTCTTGAAACCACAGCTGTTGGCAGGGTCCCAGCTCATGCCAGCCTCATCTCCTTT  273
          | |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    21  CCGGCTTGAAACCACAGCTGTTGGCACGGTCCCAGCTCATGCCAGCCTCATCTCCTTT   80

Qy   274  CTTGCTAGCCCCCAAAGGCCTCCAGGCAACATGGGGGCCCAGTCAGAGAGCCGGCACT  333
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    81  CTTGCTAGCCCCCAAAGGGCCTCCAGGCAACATGGGGGCCCAGTCAGAGAGCCGGCACT  140

Qy   334  CTCAGTTGCCTCTGGTTGAGTTGGGGGGCAGCTCTCGGGGCCGTGGCTTGTGTCCATGGC  393
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   141  CTCAGTTGCCTCTGGTTGAGTTGGGGGGCAGCTCTCGGGGCCGTGGCTTGTGTCCATGGC  200

Qy   394  TCTGCTGACCCAACAAACAGAGCTGCAGAGCCTCAGAGAGAGGTGAGCCGGCTGCAGGG  453
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   201  TCTGCTGACCCAACAAACAGAGCTGCAGAGCCTCAGAGAGAGGTGAGCCGGCTGCAGGG  260

Qy   454  GACAGGAGGCCCCCCAGAAATGGGAAGGGTATCCCTGGCAGAGTCTCCCGGAGAGCAGAG  513
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   261  GACAGGAGGCCCCCCAGAAATGGGAAGGGTATCCCTGGCAGAGTCTCCCGGAGAGCAGAG  320

Qy   514  TTCCGATGCCCTGGAAGCTCGGACAGCAGCAGCACTCTGCTCCTGCACCTGGTTCCATTA  573
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   321  TTCCGATGCCCTGGAAGCTCGGACAGCAGCAGCACTCTGCTCCTGCACCTGGTTCCATTA  380

Qy   574  CACCCAAAAACAGAGAGAAGAGCAGCAGCACTCTCTGCTCCTGCACCTGGTTCCCATTAAGCGCCACCTC  633
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   381  CACCCAAAAACAGAGAGAAGAGCAGCAGCACTCTCTGTCCTGCACCTGGTTCCCATTAAGCGCCACCTC  440

Qy   634  CAAGGATGACTCCGATGTGACAGAGGTGATGTGGCAACCAGCTCTTAGGCGTGGGAGAGG  693
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   441  CAAGGATGACTCCGATGTGACAGAGGTGATGTGGCAACCAGCTCTTAGGCGTGGGAGAGG  500

Qy   694  CCTACAACAGCTGCTATAGGCGCAGGATATGGTGTCCGAATCCAGGATGCTGGAGTTATCTGCTGTATAG  753
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   501  CCTACAACAGCTGCTATAGGCGCAGGATATGGTGTCCGAATCCAGGATGCTGGAGTTATCTGCTGTATAG  560

Qy   754  CCAGGTCCTGTTCAAGACTCTTGCTTCCTGACTTCAGGTGTCAGGTGGTGTCTCGAGAAGGCCA  813
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   561  CCAGGTCCTGTTCAAGACTCTTGCTTCCTGACTTCAGGTGTCAGGTGGTGTCTCGAGAAGGCCA  620

Qy   814  AGGAAGGCAGGAGACTCTATTCCGATGTATAAGAAGTATGCCCTCCCACCCGGACCGGGC  873
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   621  AGGAAGGCAGGAGACTCTATTCCGATGTATAAGAAGTATGCCCTCCCACCCGGACCGGGC  680

Qy   874  CTACAACAGCTGCTATAGGCGCAGTGTCTTCCATTTACACCAAGGGGATATTCTGAGTGT  933
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   681  CTACAACAGCTGCTATAGGCGCAGTGTCTTCCATTTACACCAAGGGGATATTCTGAGTGT  740

Qy   934  CATAATTCCCGGGCAAGGGCGAAACTTAACCTCTCCACATGGAACCTTCCTGGGACT  993
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   741  CATAATTCCCGGGCAAGGGCGAAACTTAACCTCTCCACATGGAACCTTCCTGGGACT  800

Qy   994  TTGATTTACGGATATCTTGCTTCTGTTCCCCATGGAGTCCCGAATTCTTGCGTGTGT  1053
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   801  TTGATTTTACGGATATCTTGCTTCTGTTCCCCATGGAGTCCCGAATTCTTGCGTGTGT  860

Qy  1054  AGATGAGGGGCGGGGGACCGGGCGCGCAAGGGCGCGCCAGGCATTGTTCAGACCTGGTGTCGGGGCCCACTCGAA  1113
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   861  AGATGAGGGGCGGGGGACCGGGCGCGCAAGGGCGCGCCAGGCATTGTTCAGACCTGGTGTCGGGGCCCACTCGAA  920

Qy  1114  GCATCCAGAACAGCACCACCATCTAGCGCCGCCTCGAGGGAAGCACCCGCCGGTGGCCG  1173
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Db   921  GCATCCAGACAGCACCACCATCTAGCGGCGGCCTCGAGGGAAGCACCCGCCGGTGGCCG  980

Qy  1174  AAGTCCACGAGCCGCCCTCTGCTAGGGAAAACCCTGGTTCTCCACACTTCTCT  1233
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   981  AAGTCCACGAGCCGCCCTCTGCTAGGGAAAACCCTGGTTCTCCACACCTCTCT  1040

Qy  1234  CCAGGTGCCTCTGCCTCTTCACCCCACAGAGAAGCCTTATCCTCAGTCTTCTCCATC  1293
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1041  CCAGGTGCCCTGCCTCTTCACCCCACAGAGAAGCCTTATCCTCAGTCTTCTCTCCATC  1100

Qy  1294  TATCGGACCCCAGTTTCCATCACTATCTCCAGAGATGTAGTATTATGCGCCCGTCTACA  1353
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1101  TATCGGACCCCAGTTTCCATCACTATCTCCAGAGATGTAGTATTATGCGCCCGTCTACA  1160

Qy  1354  GGGGGTGCCCGACGATGACGGTGCCTTCGCAGTCAATTTACTCTTCGGGTCCCAAGGTTT  1413
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1161  GGGGGTGCCCGACGATGACGGTGCCTTCGCAGTCAAATTACTCTTCGGGTCCCAAGGTTT  1220

Qy  1414  GGCTTTCACGGGCTCCATTGCCCCGGCGTGGCAGGCCATTCCAAGGCCTTCCGGGCTGGA  1473
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1221  GGCTTTCACGGGCTCCATTGCCCCGGCGTGGCAGGCCATTCCAAGGCCTTCCGGGCTGGA  1280

Qy  1474  ACTGGTGTCGGAGGAGCCTCGGGTGTATCCTACGGCCCGTGGTGGTTGCCTCCACTCC  1533
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1281  ACTGGTGTCGGAGGAGCCTCGGGTGTATCGTATCGGCCGTGGTGGTTGCCTCACTCC  1340

Qy  1534  TCTGAGCTCTTCTTTCTGATCAAGCCCTGCTTAAAGTAAATAAAATAGAATGAATGATA  1593
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1341  TCTGAGCTCTTCTTTCTGATCAAGCCCTGCTTAAAGTAAATAAAATAGAATGAATGATA  1400

Qy  1594  AAAAAAAAAAAAA  1607
          |||||||||||||
Db  1401  AAAAAAAAAAAAA  1414
```

RESULT 2
US-10-174-654-1
; Sequence 1, Application US/10174654
; Publication No. US20030044937A1
; GENERAL INFORMATION:
;   APPLICANT: Bienkowski, Michael J
;   Mills, Cynthia J
;   Jones, David A
;   TITLE OF INVENTION: TNF-Related Death Ligand
;   NUMBER OF SEQUENCES: 18
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Pharmacia & Upjohn, Intellectual Property
;   Legal Services
;   STREET: 301 Henrietta Street
;   CITY: Kalamazoo
;   STATE: MI
;   COUNTRY: USA
;   ZIP: 49001
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: 3.5 Diskette
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/10/174,654
;   FILING DATE: 19-Jun-2002
;   CLASSIFICATION: <Unknown>
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Kerber, Lori L.
;   REGISTRATION NUMBER: 41,113
;   REFERENCE/DOCKET NUMBER: 6111.N CN1
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 616/833-0974
;   TELEFAX: 616/833-8897
;   TELEX: 224401
; INFORMATION FOR SEQ ID NO: 1:
;   SEQUENCE CHARACTERISTICS: